



Iraq Reconstruction Report

A Weekly Construction & Sustainment Update

07.28.06



Border Fort with a View

The Mashan border fort is one of five that were completed recently in the As Sulaymaniyah Province. These completed border forts increase security along the Iraq-Iran border, allow for the proper training of the border police and provide additional logistical support for patrols. (Gulf Region Division Photo)

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President's Remarks at July 25th Press Conference with PM Maliki

"Starting next summer, 200 high school and university students from all regions of Iraq and all sectors of Iraqi society will come to America to study at local institutions and build personal friendships with the people of our country. This is going to be the largest program of its kind, and it will help build the next generation of leaders for a free and democratic Iraq." Read the entire transcript:

<http://www.whitehouse.gov/news/releases/2006/07/20060725.html>

Project Dispatches

Al Nahrawan Irrigation Project Completed

The Al Nahrawan irrigation project in Baghdad Province was completed last week. The \$2M project renovated the Old Al Karguila, New Al Karguila and Al Nahrawan pump stations. The project provides irrigation water to farmers to better utilize approximately 15,000 hectares of agricultural land in the region.



Najaf Province Street Paving Begins

Construction began on the Al Jazra and Al Rawda paving project in Najaf Province. Work began on July 15 and is expected to be completed by this November. The \$84,000 project will provide Najaf Province with two newly paved roads that will provide valuable access to vital streets and essential services.



New Al Rasheed Police Station Serves 45,000

Construction is complete on the Al Rasheed Police Station in Baghdad Province. The \$1M project was completed on July 11 and will provide a better and more secure work environment for the police staff. The facility will serve more than 45,000 in the Al Rasheed neighborhood.



Five Water Well Projects Begin in Erbil

Construction started on five water well projects in Erbil Province. The projects, which all began on July 15 are expected to be completed by early Jan. Each project – Shewa Ziarat (\$97,000), Aqubani Saru (\$81,000), Bapishtyan (\$82,000), Kawartian (\$59,000) and Keshke (\$80,000) – includes well drilling, installing water networks and generators, and building concrete water storage tanks. Each project will provide clean water and assist in reducing waterborne diseases.



Iraq 101: Democracy Timeline

- June 28, 2004: Transfer of Sovereignty; Interim Iraqi Government established.
- August 2004: National Assembly elected.
- Jan. 30, 2005: First democratic election.
- May 4, 2005: Transitional National Assembly sworn-in.
- October 2005: Ratified constitution.
- December 2005: Elected a constitutionally-based 4-year government.
- March 16: Council of Representatives sworn-in.
- June 8: Full Iraqi cabinet established.



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Once a Terrorist Haven, A Sense of Normalcy Returns to Yusufiyah

Story and photo by Spc. George Welcome
2nd BCT PAO, 101st Abn. Div.

CAMP STRIKER, Iraq – The outdoor market was quite vibrant on the morning of July 13. The sounds of car horns, chickens squawking for freedom from a vendor's cage, and conversations of passersby seemed to serve as a soundtrack for the activity taking place at the market. As far as the eye could see, sellers were displaying everything from clothing to ice and produce that looked so fresh, it could have only been harvested minutes before.

The market place was full of faces, which seemed to be looking forward to a peaceful and uneventful day. Just southwest of Baghdad, Yusufiyah was once an insurgent haven.



CAMP STRIKER, Iraq – A young boy purchases fresh produce at a market place stand in Yusufiyah. A sense of normalcy is descending upon the town, which was once a haven for terrorists.

While there still remains work in making Yusufiyah more stable, local Iraqi citizens perhaps feel that the efforts of coalition forces and brave Iraqi citizens have had a positive impact on the area. "Before the American Army came to this area, it was full of insurgents and thieves and killers," said Ali, an area resident. "They came to this area and made it better and brought some safety, but there are still occasional shooting and IEDs."

There have been a number of community improvement projects completed in Yusufiyah including a council building and a health clinic, in an effort to bring normalcy to the lives of the people there. "The Yusufiyah council building was recently completed," said Capt. William Perrich, of the 413th Civil Affairs Battalion.

Story continued on page 5

Nasiriyah Water Treatment Plant



The Nasiriyah water treatment plant under construction. It is one of two major treatment plants being built. The facilities will provide water to most of southern Iraq. The public works and water sector projects accomplished by the USACE Gulf Region Division and the Iraq Project & Contracting Office are very important to Iraqi health and welfare. (Photo by Susan Celotto, GRD)

Before & After: Karkh Maternity Hospital



The \$11.5 million Gulf Region Division – Iraq Project & Contracting Office project to renovate the Karkh Maternity Hospital in the Karkh District of Baghdad included installing new exhaust, fire alarm and intercom systems. Additionally, the plumbing and electrical systems were repaired and a new generator was added. The air conditioning system was also upgraded along with numerous other interior and exterior repairs and upgrades. (Gulf Region Division Photos)

Sector Overview: Current Status – End State

Compiled By: John Daley, PCO Washington

As of: July 21, 2006

- Almost \$9.2 billion of the Iraq Relief and Reconstruction Fund (IRRF) has been disbursed by DoD, representing 68% of total funds allocated to DoD
- 3,049 projects starts (out of 3,408 planned projects). This number includes covers the DoD projects funded by the IRRF (including MNSTC-I) and the Development Fund for Iraq (DFI)
- 2,436 projects are complete

Sector	Current Status	End State
Electricity	1,420 MW capacity added* Increased power generation to 1.3 million homes* Improved Electricity Distribution to approximately 280K Homes*	1,879 MW capacity added* (2,555 for all USG projects) Increased power generation to 1.4 million homes* Improved Electricity Distribution to approximately 720K Homes*
Oil	2.5 Million Barrels Per Day (MBPD) production capacity 2.2 MBPD actual production Liquefied Petroleum Gas (LPG) production capacity of 1,200 Tons per Day	3.0 MBPD oil production capacity LPG production capacity production capacity of 3,000 Tons per Day
Water & Sewer	Added 226,000 cubic meters per day of water treatment capacity (benefits an estimated 1.4 million Iraqis)*	Additional 1,245,000 cubic meters per day of water treatment capacity (will benefit approximately 5.8 million Iraqis*. All USG projects will benefit 9.2 million Iraqis)
Health	Six IRRF funded Primary Healthcare Centers (PHC) completed (three of these are open) 11 hospitals renovated	142 PHCs serving a population of 5 to 6.5 million Iraqis 20 hospitals renovated
Education	834 schools providing classrooms for 325,000 students*	847 schools providing classrooms for 330,000 students*
Security & Justice	341 police facilities completed 247 border forts completed	399 police facilities 253 border forts
Transportation & Communications	217 Kilometers (KM) of village roads Provided emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities	424 KM of improved village roads 157 KM of improved major roads and five bridges Provided emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities

* GRD-PCO Contribution (does not include impact of other agencies' projects unless stated otherwise)

Source: Multiple GRD-PCO Management Reports

Local Investors Help to Boost Economy

Story & Photos by Sgt. Waine D. Haley
133rd MPAD

TIKRIT, Iraq – Iraqi private investors are seeing a future in their own economic growth and are jumping in to help the economy. Iraqis are financing a unique business in the Salah Ad Din Province -- a water and soft drink bottling company. This new company is getting most of its financing from the Al Jaborah Company with additional financing coming from local business men.



Newly acquired water bottling equipment sits idle waiting to be installed in a new water bottling plant in Tikrit, Iraq.

"The Al Jaborah Company had an idea for a water bottling plant ... and invested about 51 percent of the funds," said Capt. Daniel Cederman, 402nd Civil Affairs Detachment. The additional 49 percent came from private Iraqi investors. The new plant will become a profit-sharing company for the original local investors. The investors will get a percentage of the projected \$2 to \$3 million yearly profits that will be divided equally based on the amount each party invested.



Capt. Daniel Cederman reviews plans with Iraqi officials. The meeting was to find out how much assistance will be needed to complete the bottling plant.

Most, if not all, of Iraq's bottled water is imported and sold for about 500 Dinars per bottle. The bottling plant will be able to cut this price in half and sell the products all over Iraq, from local markets to hospitals and medical facilities. This venture will help bring down inflated costs and employ many Iraqis in the process. "This type of project will help strengthen the economic and social projects of our citizens," said Kadhini Nori Abid, Ph.D., a vocational education expert.

World Bank Approves \$135M Credit for Emergency Road Rehabilitation

WASHINGTON – The World Bank's Board of Executive Directors today approved a credit to the Government of Iraq to rehabilitate highly damaged highways and rural roads and reestablish critical river crossings. The \$135 million Emergency Road Rehabilitation Project will facilitate reconstruction, promote trade and economic integration, and benefit road users throughout the country. The project will also create substantial local employment.

"The project is designed to address urgent transport bottlenecks," noted Mohammed Feghoul, the World Bank Project Task Team Leader. "At the same time," he added, "the project will establish a road asset management system to ensure proper maintenance and sustainability of road networks in the medium and long term."



In central and southern Iraq, the project will rehabilitate about 300 km of highways, reconstruct some 150 km of village access roads, and replace about three floating bridges with permanent structures. In northern Iraq, the project will rehabilitate the main road from Erbil to Altun Kopri (38.5 km) and reconstruct around 75 km of village access roads.

The project will be implemented by the State Commission for Roads and Bridges within the Ministry of Construction and Housing in Baghdad, and the General Directorate for Roads and Bridges of the Kurdistan Regional Government in Erbil.

"Bank-financed projects are implemented by Iraq's own institutions, which contract with construction companies using competitive procurement procedures," commented Joseph Saba, the Country Director for Iraq. "Projects are designed to help establish more efficient and transparent systems for delivering public services in key sectors, such as transport," he added.

The US\$135 million credit will be provided by the International Development Association (IDA), an arm of the World Bank that provides financing on concessional terms to eligible countries. The credit has 35 years maturity including 10 years grace period.

The Emergency Road Rehabilitation Project is the second IDA-financed project approved for Iraq and the first project to support the transport sector. The World Bank's Executive Directors approved a first IDA credit to Iraq, a US\$100 million Third Emergency Education Project, in November 2005.

For more information on the World Bank:

www.worldbank.org

Normalcy Returns to Yusufiyah...Continued

"It has been operational for about two months. It was one of the projects we inherited when we arrived here. The primary health clinic is also staffed and is now treating patients. It was closed briefly while it was being remodeled. At that time, most Yusufiyah residents were going to expensive private health clinics or to Mahmudiyah's hospital for treatment," said Perrich.

The citizens of Yusufiyah have had their share of ups and downs in the past years. Before the war for Iraq's freedom began, it had been largely a farming community in which it retained a great degree of independence from the government in Baghdad.

"This area depended on itself," said Ali. "The farmer would go to work and his family's food would come from the work." Residents still say that certain items are difficult to attain.



CAMP STRIKER, Iraq – A father and his young son keep an eye on their chickens, which they sell at a market place in Yusufiyah. Once an insurgent stronghold, it is steadily becoming a place where people can live their lives peacefully.

"Fuel is a very important need for us," said Haseena, a woman who ran a small produce stand. "We don't have gas. We need gas to cook and fuel to use in cars. It's very expensive and hard to get."

Despite the limited access to certain supplies, the people said they feel confident that with time and help, that their government will be able to supply their needs.

"If the American government helps our government, then our government will be able to support us," Ali said.

Interagency News: NASA Technology Aids Water Purification Effort



NASA engineers, who are used to making a difference in the lives of astronauts in space, recently had the chance to improve the lives of villagers in Iraq by using NASA technology.

Volunteering their own time, engineers at the agency's Marshall Space Flight Center in Huntsville, Ala., helped install and test a water purification system in the northern village of Kendala.

Two years ago, the pump for the village's deep-water well failed, leaving residents without access to clean water. The population quickly dwindled from more than 1,000 residents to just 150. Those who stayed were forced to haul water from nearby creeks muddied by livestock. They also dug crude, shallow wells and strained the water through fabric to remove dirt and debris.

The village's plight drew the attention of Concern For Kids, a non-profit organization in Lawrenceville, Ga., that has provided aid in Iraq since 1992. Recognizing the need for cutting-edge technology to save lives and revive the ailing community, Todd Harrison, president of Concern For Kids' board of directors, turned to his sister Robyn Carrasquillo. She is the engineering manager for the Environmental Control and Life Support System, or ECLSS, project at Marshall.



Volunteers in the northern Iraq village of Kendala help install and test a water purification system with origins in the space program. (Photo courtesy of NASA/Marshall Space Flight Center)

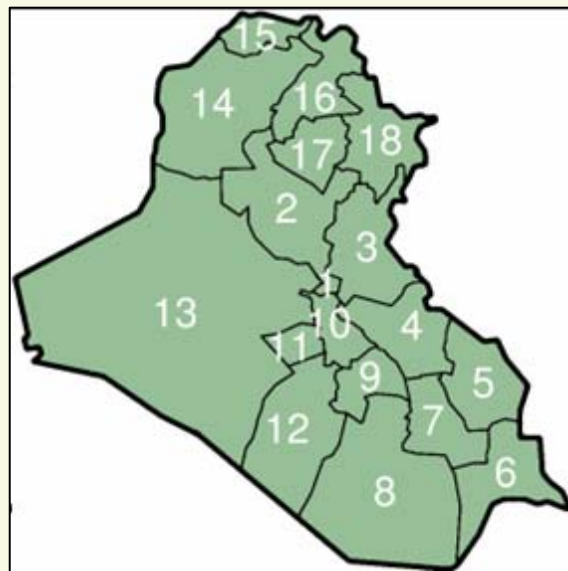
Story continued on page 7.

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Iraqi Muhafazat – What are they? Where are they?

Iraq is divided into 18 administrative boundaries called provinces or governorates. The provinces are called "muhafazat" in Arabic.

1 Baghdad (بغداد)	10 Babil (بابل)
2 Salah ad Din (صلاح الدين)	11 Karbala' (كربلاء)
3 Diyala (ديالى)	12 An-Najaf (النجف)
4 Wasit (واسط)	13 Al-Anbar (الأنبار)
5 Maysan (ميسان)	14 Ninawa (نينوى)
6 Al-Basrah (البصرة)	15 Dahuk (دهوك)
7 Dhi Qar (ذي قار)	16 Arbil (Erbil) (أربيل)
8 Al-Muthanna (المتن)	17 At Ta'mim (التاميم)
9 Al-Qadisiyah (القادسية)	18 As-Sulaymaniyah (السليمانية)



Good Neighbors: Helping Hands



Command Sgt. Maj. Terry Davis Jr., left, and Lt. Col. William Mason, commander, 402nd Civil Affairs Battalion, wash an Iraqi child's hands in a village near Contingency Operating Base Speicher, Iraq. U.S. Soldiers distributed donated toiletries, clothing, toys and other items to establish good will and a sense of community with their Iraqi neighbors. (Photo by Sgt. Melissa Thornhill)

In-Transit Visibility: Real Time Tracking



Utilizing a high-tech in-transit visibility tracking database, the Gulf Region Division/ Project & Contracting Office Logistics Movement Coordination Center in Baghdad is able to view their convoys via the Global Distribution Management System. This system facilitates mapping the location of convoys and other relevant information in real time. (LMCC Courtesy Photo)

New Section 2207 Report on Iraq Relief and Reconstruction Available On-Line



Section 2207 of the Emergency Supplemental Appropriations Act for Defense and for the Reconstruction of Iraq and Afghanistan, 2004 (Public Law 108-106), requires the Secretary of State to submit a quarterly report to Congress outlining the current conditions for programs and initiatives supported by the specific appropriations dedicated to the Iraq Relief and Reconstruction Fund (IRRF). Read the report:

<http://www.state.gov/p/nea/rls/rpt/2207/jul2006/pdf/>

NASA Technology Aids Water Purification...Continued

The ECLSS system is designed to recycle air and water on the International Space Station, dramatically reducing the need for frequent, costly resupply missions from Earth. The system's water processor, developed by Hamilton Sundstrand Space Systems of Windsor Locks, Conn., is undergoing final preparation at Marshall before it is flown to space and installed on the station.

Familiar with his sister's work, Harrison knew NASA engineers at Marshall developed many technologies for water purification in the 1970s and 1980s for the Space Shuttle Program and the International Space Station. So he posed a challenge to Carrasquillo and her team: Help via e-mail to install and test a new, ground-based water purification system to improve the quality of life for Iraqis struggling to rebuild their village and country.

The Concern For Kids filtration and purification system was designed and manufactured by Water Security Corporation, a commercial company in Reno, Nev. The company uses the same technology developed for NASA and used on the space shuttle. The system uses iodine to purify water from streams, rivers, wells and swamps to be used as drinking water for the local population.

Early this year, volunteers installed a 2,000-liter water tank in the village and, with the help of U.S. Army Soldiers, began trucking in fresh water. But the water needed to be cleaned and required some modification to maintain healthy iodine levels.

There were two problems with the water purification unit in Kendala. The new water pump was improperly configured and the iodine bed had dried out during transport. That's when Carrasquillo's team, half a world away, came into play. The engineers at Marshall emailed advice and instructions, helping to fix the pump configuration problem and guiding the Iraq field team in rehydrating the resin bed. In short order, the field team was able to deliver safe, clean drinking water to the Kendala village for the first time in two years. Now, Concern For Kids hopes to provide additional purification units for other villages.

At Marshall, the ECLSS system's water processor draws ever nearer to flight, and Carrasquillo is confident the technology will serve the space station well. The technology is a major leap forward in serving the needs of future space explorers on the space station, on the moon or during deep-space missions to the outer reaches of the solar system. "Each astronaut in space requires about three gallons of water every day," Carrasquillo said. "That's far less than the 35 gallons or so used each day by the average American, but still an amount that quickly adds up, crowding our shuttles and rockets and creating prohibitive costs."

She's thrilled to have made a difference here on Earth, too. "To see our system solve a down-to-Earth problem, especially in a place where there's such a serious need ... there's no greater reward than that."

USAID Project Snapshot: Agriculture

Increased Olive Tree Population: Planted 9,000 olive trees in 16 plots countrywide.

Provided Farm Machinery Training & Tools: Trained 107 mechanics in farm machinery repair and supplied tools to help establish private repair businesses.

Rehabilitated Veterinary Clinics: 64 veterinary clinics have been rehabilitated, serving more than 127,000 animal breeders.

Crop Production Seed Improvement: Distributed 169 wheat seed cleaners to nine non-governmental organizations in 18 provinces.

Increased Training: 175 operators trained in wheat seed cleaning and treating.

Farm Machinery Repair: To date, a total of 2,629 tractors have been repaired throughout Iraq.

Irrigation: Provided small-scale grants that increased canal and water infrastructure improvements on 320,000 acres of land serving 445,000 Iraqis.



USAID's Agriculture Reconstruction and Development Program for Iraq completed a Geographic Information System (GIS) training course for 17 participants in Basrah. GIS training courses are part of an effort to develop a strategy for water and land resources for Iraq.

Iraq Reconstruction Report

A Reconstruction Partnership



Office of the Assistant Secretary of the Army (ASA) for Acquisition, Logistics and Technology (ALT)

<https://webportal.saalt.army.mil/main/aae.htm>

Assistant Secretary: *The Honorable Claude M. Bolton, Jr.*

Principal Deputy to the ASA (ALT)/Director of Iraq Reconstruction and Program Management: *Mr. Dean Popp*



US Army Corps of Engineers - Gulf Region Division <http://www.grd.usace.army.mil/index.html>

Commanding General: *Maj. Gen. William H. McCoy, Jr.*

Iraq Project & Contracting Office

<http://www.rebuilding-iraq.net>

Director- Baghdad: *Maj. Gen. William H. McCoy, Jr. (dual-hatted GRD-PCO)*

Deputy Director for Reconstruction: *Ms. Kathye Johnson*

Director-Washington: *Mr. James M. Crum*



Joint Contracting Command – Iraq/Afghanistan

JCC-IA provides responsive operational contracting support to the Chief of Mission and Multi-National Corps - Iraq to efficiently acquire vital supplies, services and construction in support of the Coalition Forces and the relief and reconstruction of Iraq.

Commander: *Maj. Gen. Darryl A. Scott*



Office of the Assistant Deputy Assistant Secretary of the Army (Policy and Procurement), Iraq

DASA(P&P)-I provides the necessary administrative and contracting support to the Chief of Mission, Project and Contracting Office, Multi-National Forces, and supports the humanitarian relief, reconstruction, and security of Iraq.

ADASA(P&P)-I: *Mr. Lee Thompson*



For further Iraq reconstruction, transition, and sustainment information:

U.S. Agency for International Development: <http://www.usaid.gov/iraq>

U.S. Department of Commerce: <http://www.export.gov/iraq>

U.S. Embassy in Iraq: <http://iraq.usembassy.gov>

U.S. Central Command: <http://www.centcom.mil>

Multi-National Force – Iraq: <http://www.mnf-iraq.com>

Multi-National Security Transition Command – Iraq: <http://www.mnstci.iraq.centcom.mil/>



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Past IRU issues can be found at: http://www.dvidshub.net/index.php?script=pubs/pubs_show.php&id=201&name=Iraq%20Reconstruction%20Update